



TRITON™ H-55 Surfactant

Product Information

Chemical Description

Name: Phosphate polyether ester

Surfactant Type: Anionic

Benefits

- Hydrotrope
- Stable in acidic & alkaline conditions

Applications

- Solubilizer for surfactants into highly built detergents

Typical Physical Properties

Actives, wt%	50
Diluent	Water
Appearance ⁽¹⁾	Amber liquid
pH, 5% aq solution	8-10
Viscosity at 25°C (77°F), cP	40
Density at 25°C (77°F), g/mL	1.350
Flash Pt, Closed Cup, ASTM D93	None
Pour point, °C (°F)	<-6 (<21)

⁽¹⁾ Appearance at 25°C

Typical Performance Properties

Surface Tension ⁽²⁾	Neutral ⁽⁴⁾	45
	Alkaline ⁽⁵⁾	53
Foam ⁽³⁾	Neutral ⁽⁴⁾	8/0
	Alkaline ⁽⁵⁾	25/0

⁽²⁾ Surface Tension: dynes/cm at 1 wt% actives, 25°C

⁽³⁾ Ross-Miles foam height: mm at 1 wt% actives, 25°C, initial / 5 minute

⁽⁴⁾ Actual pH = 7 (distilled water)

⁽⁵⁾ Actual pH = 12.5 (sodium hydroxide solution)

Solubility and Compatibility

- Soluble in water
- Insoluble in aromatic, chlorinated & aliphatic hydrocarbons
- Chemically stable in acidic & alkaline solutions
- Compatible with anionic & nonionic surfactants

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